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PATENT & TRADEMARK OFFICE

1652 EPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of HAUERet al.	)	Art Unit: 1652
Serial No. 10/031,695	)	Examiner: PAK, Yong D.
Filed: January 23, 2002	)	

For: MODIFIED CYTOCHROME MONOOXYGENASES

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

This subject information disclosure statement is submitted in connection with applicants' continuing duty of disclosure under 37 CFR 1.56.

Listing of Relevant Documents

The relevant documents are listed in the attached Form PTO-1449.

REMARKS

This supplemental IDS is filed in response to the examiner's remarks in the office action mailed May 24, 2004.

The following is a "concise explanation of the relevance in the English language" of Bornscheuer "Gerichtete Evolution von Enzymen" Angew. Chem. Vol. 110, 370(1998) pages 3285-3288, as provided for in 37 CFR 1.98(a)(3).

As explained on page 12, lines 16 to 19 of applicants' specification there exist two different strategies in protein engineering for generating variants with modified enzymatic properties: The first strategy is the so-called "rational design" method and the second is the so-called "directed evolution" method. The

publication of Bornscheuer describes the principle of said second strategy.

Entry is respectfully solicited.

Respectfully submitted,

KEIL & WEINKAUF

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Form PTO-1449

Sheet _1_ of _1_

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Document Number

Application Number 10/031,695

Applicant HAUER et al.

Filing Date 1/23/02

Group Art Unit 1652

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub-Class	Flng Date

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub-Class	Flng Date

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Gerichtete Evolution von Enzymen, Bornscheuer, Angew
	Chem. 1998, 110, Nr. 22, 3285-3288

EXAMINER **DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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